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(54) Process for the continuous bulk production of high impact vinylaromatic (co)polymers.

(57) Described is a process for the continuous bulk production of high impact vinylaromatic copolymers in which a vinylaromatic monomer, an optional vinylcyanide comonomer, a rubber, a part of a diluent solvent and a catalyst are premixed at a temperature below 100°C and fed to an agitated tubular plug-flow reactor which is divided into several stages or zones. The excess mixture is recycled to the premixer and the remaining portion of the diluent

solvent is injected in the top of the reactor to prevent the formation of incrustations. In the first zone of the reactor, the temperature and the residence time of the mixture are controlled so as to halve the catalyst lifetime.

The polymerization is continued in the subsequent zones of the reactor until at least 40% by weight of solids have been formed.

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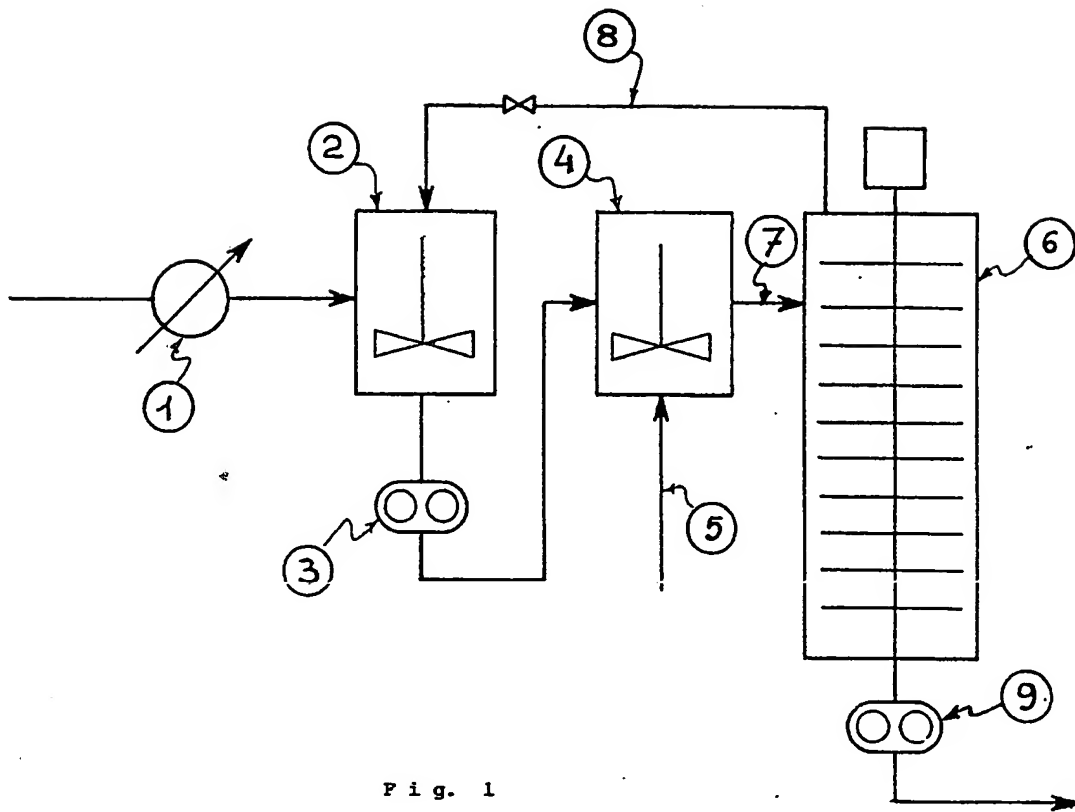


Fig. 1



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EUROPEAN SEARCH REPORT

Application Number

EP 90 10 9861

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	WPIL, FILE SUPPLIER, AN = 88-180118, Derwent Publications Ltd, London, GB; & JP-A-63 118 315 (NIPPON STEEL CHEM.) 23-05-1988 * Whole abstract *	1-17	C 08 F 279/02 C 08 F 279/04 C 08 F 2/02
Y	FR-A-2 352 838 (MONSANTO) * Claims; examples; page 13, line 5 - page 15, line 22 *	1-17	
A	US-A-3 945 976 (McCURDY et al.) * Claims; drawing figures *	1-17	
A	US-A-3 981 944 (TORAY IND.) * Claims; abstract *	1-17	
A	US-A-4 640 959 (ALLE) * Claims; examples 1,2 *	1-17	
A	US-A-4 325 915 (SATO et al.) * Drawing figures; claims; examples *	1-17	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 08 F
Place of search		Date of completion of search	Examiner
The Hague		16 July 91	LOISELET-TAISNE S.M.
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